

ABSTRACT

The present invention provides anti-PCI antibodies having Protein C inhibitor (PCI)-neutralizing activity, and the uses thereof. Through the generation and screening of anti-PCI antibodies, the inventors successfully isolated anti-PCI antibodies which inhibit PCI's inhibitory effect on the production and activity of activated Protein C (aPC). The antibodies of the present invention suppress PCI's inhibitory effect on aPC production and/or the aPC inactivation by PCI, and thus can be used to maintain aPC activity and sustain the effects of aPC physiological activities, such as suppression of the activation of blood coagulation system and anti-inflammatory functions. The present invention also provides uses of the antibodies of the present invention in treating diseases such as thrombosis and sepsis using aPC. In treatments by aPC administration, the therapeutic effect of aPC can be sustained by administering an antibody of the present invention. The antibodies of the present invention can be used in the treatment and prevention of diseases such as thrombosis and sepsis.